

Ground Water

Vance County's ground water is principally of the calcium and sodium-bicarbonate type. This water is suitable for most domestic, municipal and industrial uses. Most of Vance County's ground water supplies are obtained from wells and springs, and generally contain rocks of the mica gneiss and metavolcanic class. Sampled mica gneiss indicated that these rocks yield a soft water, while the metabolcanic yield a harder type of water.

More specific information about ground and surface water in Vance County is contained in the Land Potential Study prepared by the Vance County Planning Board and Region K Water Resource Management Plan prepared by William F. Freeman Associates in 1974.

Air Quality

Presently, Vance County's air quality is well within the air quality standards set for North Carolina. Vance County's air quality data reveals 6 micrograms per cubic meter of SO_2 , 16 micrograms per cubic meter of NO_2 and 38 micrograms per cubic meter of particulants. The present standards for Region K are 80 micrograms, 1 cubic meter of sulfur dioxide (SO_2) and 100 micrograms per cubic meter of nitrogen dioxide (NO_2) computed from an annual arithmetic mean, and 60 micrograms per cubic meter of particulants computed on annual geometric means.